



**Organics**

June 6, 2001

VIA CERTIFIED MAIL

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RUTGERS Organics Corporation



Re: May 2001 Monthly Report  
RI/FS & Removal Action  
RUTGERS Organics Corporation  
Salem, Ohio Site

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the May 2001 RI/FS Progress Report

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the May 2001 Removal Action Progress Report.

Please contact us if you have any questions regarding activities discussed in these reports.

Sincerely,

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Enclosure

cc: M. Hardy - TH&F  
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**RÜTGERS ORGANICS CORPORATION  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
SALEM, OHIO SITE  
MONTHLY PROGRESS REPORT  
MAY 2001**

## **1.0 INTRODUCTION**

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio. The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

## **2.0 SUMMARY OF ACTIVITIES PERFORMED**

### **2.1 Project Activity Summary**

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

### **2.2 Fieldwork**

No fieldwork was performed.

### **2.3 Reports**

#### **2.3.1 Remedial Investigation - Endangerment Assessment (EA)**

The existing EA was revised to include the more recent site data and incorporate updates in EPA's risk assessment guidance, discussed with the agencies, and submitted on June 18, 1999. Agencies' comments were received in a letter dated July 28, 2000. A meeting between the agencies and ROC discussing the above comments and determining the time schedule for the final EA was held on October 11, 2000. The draft EA Chapter 10 (ecological risk) was delivered by mid-December. The agencies submitted two letters dated April 11 and May 18, 2001 including comments to Appendix I of the draft Endangerment Assessment. Based on these and earlier comments, ROC is currently revising the most part of the human health risk assessment.

## **2.4      Meetings**

No meetings were held.

## **3.0      VARIATIONS FROM THE APPROVED RI/FS WORK PLAN**

No variations from the approved Work Plans occurred during the month.

## **4.0      RESULTS OF SAMPLING, TESTS AND ANALYSES**

No RI/FS sampling results/analysis were received this month.

## **5.0      PROJECT SCHEDULE**

The attached updated Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include:

- Revision and Finalization of the Endangerment Assessment.

## **6.0      DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS**

No significant difficulties were encountered.

## **7.0      PERSONNEL CHANGES**

No personnel changes to report.

## **8.0      ANTICIPATED PROJECT ACTIVITIES FOR JUNE 2001**

- Revision of the draft Endangerment Assessment according to agencies' comments and results of the October 11, 2000 meeting between the agencies and ROC, and comments received April 11, 2001,
- Monthly Progress Report May 2001.

Table 1  
Nease Site, Salem, Ohio  
RI/FS Schedule

| Date               | Task/Activity/Deliverable/Milestone                          |
|--------------------|--|
| February 22, 1988  | Effective Date of RI/FS Administrative Order of Consent      |
| April 5, 1991      | Partial Salem RI submitted to Agencies                       |
| July 6, 1993       | Salem RI submitted to Agencies                               |
| July 29-30, 1993   | Source sampling event, ROC/Golder and Agencies/B&V WST       |
| August 10, 1993    | Submit monthly progress report                               |
| September 10, 1993 | Submit monthly progress report                               |
| October 10, 1993   | Submit monthly progress report                               |
| November 10, 1993  | Submit monthly progress report                               |
| Nov./Dec., 1993    | Egypt Swamp Sampling Event                                   |
| December 10, 1993  | Submit monthly progress report                               |
| January 10, 1994   | Submit monthly progress report                               |
| February 10, 1994  | Submit monthly progress report                               |
| March 10, 1994     | Submit monthly progress report                               |
| March 30, 1994     | Submit Supplemental Production Well Closure Plan to Agencies |
| April 10, 1994     | Submit monthly progress report                               |
| May 10, 1994       | Submit monthly progress report                               |
| June 10, 1994      | Submit monthly progress report                               |
| July 10, 1994      | Submit monthly progress report                               |
| August 10, 1994    | Submit monthly progress report                               |

| Date                 | Task/Activity/Deliverable/Milestone                                   |
|----------------------|---|
| August 18, 1994      | Submit to Agencies Additional RI Report: MFLBC                        |
| August 22, 1994      | Receipt of US EPA Draft Comments on 1993 Salem RI Report              |
| September 6, 1994    | Receipt of US EPA Comments on 1993 Salem RI Report                    |
| September 10, 1994   | Submit monthly progress report  |
| September 23, 1994   | Receipt of USEPA Comments on Well Closure Plan                        |
| October 7, 1994      | Submit Supplemental Production Well Closure Plan (Revision #1)        |
| October 10, 1994     | Submit monthly progress report  |
| November 8, 1994     | Receipt of USEPA approval of Well Closure Plan (Revision #1)          |
| November 10, 1994    | Submit monthly progress report  |
| December 10, 1994    | Submit monthly progress report  |
| December 13-19, 1994 | Production Well Closure Field Work                                    |
| January 10, 1995     | Submit monthly progress report  |
| February 10, 1995    | Submit monthly progress report  |
| February 27, 1995    | Receipt of USEPA Comments to Additional Remedial Investigation Report |
| March 10, 1995       | Submit monthly progress report  |
| March 30, 1995       | Revised MFLBC Sampling Plan submitted                                 |
| April 10, 1995       | Submit monthly progress report  |
| April 25, 1995       | Meet to finalize MFLBC Sampling Plan                                  |
| May 10, 1995         | Submit monthly progress report  |
| June 6, 1995         | Propose groundwater sampling Round 3                                  |
| June 10, 1995        | Submit monthly progress report  |

| Date                        | Task/Activity/Deliverable/Milestone                              |
|-----------------------------|--|
| June 30, 1995               | Receive agency comments to groundwater sampling Round 3 proposal |
| July 5, 1995                | Receive agency approval of MFLBC Sampling Plan                   |
| July 6, 1995                | Submit revised Round 3 groundwater sampling proposal             |
| July 10, 1995               | Submit monthly progress report                                   |
| August 1, 1995              | Receive Agency approval for CAL MPK analysis                     |
| August 4, 1995              | Submit Rt. 14/Feeder Creek Plan to Agencies                      |
| August 10, 1995             | Submit monthly progress report                                   |
| September 5-15, 1995        | Anticipated MFLBC phase III Sample Collection                    |
| September 10, 1995          | Submit monthly progress report                                   |
| September 12, 1995          | Receive agency comments on Rt. 14/Feeder Creek Sampling Plan     |
| September 18-30, 1995       | Round 3 Groundwater Collection                                   |
| October 6, 1995             | Submit revised Rt. 14/Feeder Creek Sampling Plan                 |
| October 25, 1995            | Resubmit revised Rt. 14/Feeder Creek Sampling (Verbal Comments)  |
| October 30-November 2, 1995 | Collect Rt. 14/Feeder Creek Samples                              |
| November 10, 1995           | Submit monthly progress report                                   |
| December 10, 1995           | Submit monthly progress report                                   |
| December 28, 1995           | Receive Agency comments to Remedial Investigation Report         |
| January 10, 1996            | Submit monthly progress report                                   |
| January 31, 1996            | Submit Revised RI Report Volumes 1, 1A, 3 and 4                  |
| February 10, 1996           | Submit monthly progress report                                   |
| March 10, 1996              | Submit monthly progress report                                   |

| Date               | Task/Activity/Deliverable/Milestone  |
|--------------------|--|
| April 10, 1996     | Submit monthly progress report   |
| April 24, 1996     | Meeting with agencies to discuss project status and submittal dates  |
| May 10, 1996       | Submit monthly progress report   |
| May 24, 1996       | Submit Appendix N  |
| June 10, 1996      | Submit monthly progress report   |
| June 14, 1996      | Submit Round 3 Groundwater Sampling Data   |
| June 19, 1996      | Revised RI Approved by EPA/OEPA  |
| July 10, 1996      | Submit monthly progress report   |
| August 10, 1996    | Submit monthly progress report   |
| September 6, 1996  | Submit monthly progress report   |
| September 11, 1996 | Meeting with Agencies to discuss Endangerment Assessment Comments  |
| October 10, 1996   | Submit monthly progress report, Submit revised Rt. 14/FC Investigation Results, Submit revised Eastern Plume/DNAPL Work Plan |
| November 10, 1996  | Submit monthly progress report   |
| December 10, 1996  | Submit monthly progress report   |
| December, 1996     | Complete Fieldwork E. Plume/DNAPL Workplan   |
| January 10, 1997   | Submit monthly progress report   |
| January 23, 1997   | Piezometer (hydropunch) sampling conducted   |
| February 7, 1997   | Submit monthly progress report   |
| March 7, 1997      | Submit monthly progress report   |
| March 25, 1997     | Receive agency comments on E. Plume/DNAPL Workplan   |
| April 10, 1997     | Submit monthly progress report   |

| <b>Date</b>        | <b>Task/Activity/Deliverable/Milestone</b>   |
|--------------------|--|
| May 9, 1997        | Submit monthly progress report   |
| June 9, 1997       | Submit monthly progress report   |
| June 30, 1997      | Receive Agency comments on Appendix N, RI  |
| July 8, 1997       | Submit monthly progress report   |
| July 18, 1997      | Submit revision package for Appendix N addressing agency comments                                      |
| August 8, 1997     | Submit DNAPL/Eastern Plume Report and Monthly progress report  |
| August 20, 1997    | Agency approval of Appendix N  |
| September 10, 1997 | Submit monthly progress report   |
| October 10, 1997   | Submit monthly progress report   |
| November 10, 1997  | Submit monthly progress report   |
| December 10, 1997  | Submit monthly progress report   |
| December 18, 1997  | Receive (12/19/97) agency comments to previously submitted EA chapters                                 |
| December 18, 1997  | Receive (12/29/97) USEPA Comments to Eastern Plume/DNAPL report  |
| December 29, 1997  | Receive (12/31/97) OEPA Comments to Eastern Plume/DNAPL report   |
| January 8, 1998    | Clarifications to agency EA comments requested by ROC letter   |
| January 9, 1998    | Submit monthly progress report   |
| January 13, 1998   | Telephone conference to obtain clarification on agency EA comments (human health)                      |
| January 22, 1998   | Meeting in US EPA's Chicago offices to discuss Eastern Plume/DNAPL report comments                     |
| January 28, 1998   | Telephone conference to obtain clarifications on agency EA comments                                    |
| January 29, 1998   | Telephone conference to obtain clarifications on agency EA comments (Ecological and revision schedule) |
| February 3, 1998   | ROC letter regarding summary of previous EA clarification telephone calls                              |

| <b>Date</b>        | <b>Task/Activity/Deliverable/Milestone</b>   |
|--------------------|--|
| February 10, 1998  | Submit monthly progress report   |
| February 12, 1998  | Meeting in Twinsburg, OH to discuss agency comment to EA chapters and approach for finalization of remaining chapters. |
| March 10, 1998     | Submit monthly progress report   |
| April 1, 1998      | Receive USEPA comments to revised Eastern Plume/DNAPL report   |
| April 8, 1998      | Submit monthly progress report   |
| April 15, 1998     | Submit Complete EA   |
| May 7, 1998        | Submit monthly progress report   |
| June 9, 1998       | Submit monthly progress report   |
| July 10, 1998      | Submit monthly progress report   |
| August 5, 1998     | Revised Eastern Plume/DNAPL report submitted   |
| August 7, 1998     | Submit monthly progress report   |
| August 14, 1998    | Receive draft agency comments on EA  |
| August 26, 1998    | Meeting in Twinsburg, Ohio to discuss EA comments  |
| September 10, 1998 | Submit monthly progress report   |
| October 8, 1998    | Meeting to discuss EA technical issues (EPA office, Chicago)   |
| October 9, 1998    | Submit monthly progress report   |
| November 6, 1998   | Teleconference on EA comments  |
| November 10, 1998  | Submit monthly progress report   |
| November 30, 1998  | Receive additional agency comments on EA   |
| December 10, 1998  | Submit monthly progress report   |
| December 15, 1998  | Teleconference on EA comments  |

| Date              | Task/Activity/Deliverable/Milestone  |
|-------------------|--|
| January 6, 1999   | Teleconference on EA comments (remaining item information status)          |
| January 8, 1999   | Submit monthly progress report   |
| January 22, 1999  | Submit EA Appendices   |
| February 3, 1999  | Agency MFLBC Sampling Letter received                                      |
| February 9, 1999  | Receive partial agency comments to EA/Appendices                           |
| February 10, 1999 | Submit monthly progress report   |
| February 23, 1999 | ROC responds to MFLBC Sampling proposal                                    |
| March 9, 1999     | Submit monthly progress report   |
| March 16, 1999    | Receive additional agency comments to EA/Appendices, more anticipated      |
| April 8, 1999     | Receive final agency comments to EA/Appendices                             |
| April 9, 1999     | Submit monthly progress report   |
| May 10, 1999      | Submit monthly progress report   |
| May 17, 1999      | Agency response letter to ROC MFLBC sampling proposal received             |
| June 7, 1999      | Conference call to resolve details on MFLBC sampling program and locations |
| June 9, 1999      | Submit monthly progress report   |
| June 18, 1999     | Submit revised EA  |
| July 9, 1999      | Submit monthly progress report   |
| July 12-21, 1999  | Conduct additional MFLBC field sampling work                               |
| July 28, 1999     | ROC proposal for Residential well sampling program via a conference call   |
| August 8, 1999    | Submit monthly progress report   |
| September 1, 1999 | Agency approval of residential well sampling program via a conference call |

| Date               | Task/Activity/Deliverable/Milestone   |
|--------------------|---|
| September 10, 1999 | Submit monthly progress report  |
| October 8, 1999    | Submit monthly progress report  |
| November 8, 1999   | Submit monthly progress report  |
| December 9, 1999   | Submit monthly progress report  |
| January 10, 2000   | Submit monthly progress report  |
| January 11, 2000   | Conduct Residential Well Sampling Program   |
| February 10, 2000  | Submit monthly progress report  |
| March 8, 2000      | Submit monthly progress report  |
| March 31, 2000     | Submit MFLBC Date Summary Report  |
| April 4, 2000      | Submit monthly progress report  |
| May 10, 2000       | Submit monthly progress report  |
| June 7, 2000       | Submit Residential Well Sampling Results  |
| June 8, 2000       | Submit monthly progress report  |
| July 7, 2000       | Submit monthly progress report  |
| July 31, 2000      | Received agency comment letter regarding draft Endangerment Assessment            |
| August 8, 2000     | Submit monthly progress report  |
| September 8, 2000  | Submit monthly progress report  |
| October 4, 2000    | Submit monthly progress report  |
| October 11, 2000   | Agencies/ROC meeting regarding agency's comments to draft Endangerment Assessment |
| November 3, 2000   | Submit monthly progress report  |
| November 14, 2000  | Submit parts of the revised Endangerment Assessment (Chapter 1 – 4, 9)            |
| December 8, 2000   | Submit monthly progress report  |

| Date              | Task/Activity/Deliverable/Milestone                              |
|-------------------|--|
| December 12, 2000 | Submit parts of the revised Endangerment Assessment (Chapter 10) |
| January 4, 2001   | Submit monthly progress report                                   |
| February 6, 2001  | Submit monthly progress report                                   |
| March 8, 2001     | Submit monthly progress report                                   |
| April 9, 2001     | Submit monthly progress report                                   |
| April 11, 2001    | Received agencies' comments regarding Appendix I                 |
| May 8, 2001       | Submit monthly progress report                                   |
| May 18, 2001      | Received agencies' comments regarding Appendix I                 |
| June 6, 2001      | Submit monthly progress report                                   |

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**RÜTGERS ORGANICS CORPORATION  
REMOVAL ACTION  
SALEM, OHIO SITE  
MONTHLY PROGRESS REPORT  
MAY 2001**

**1.0 INTRODUCTION**

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No. V-W-94-C-212, effective November 17, 1993, regarding a Removal Action at the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented.

**2.0 SUMMARY OF ACTIVITIES PERFORMED**

**2.1 Project Activity**

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC.

**2.2 Work Plan Preparation/Reports**

No work plans/reports were submitted this period.

**2.3 Fieldwork**

**2.3.1 Site Inspections**

The results of the monthly site inspection carried out at the site on May 15, 2001 are shown in Attachment 1.

**2.3.2 Monthly Water Level Measurements**

Water level measurements taken in monitoring wells at the site on May 15, 2001 are provided in Attachment 2.

**2.3.3 Treatment Plant Operation**

Attachment 3 includes the water sampling results collected on May 16, 2001

#### 2.4.1 Meetings

No meetings were held this month.

### **3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN**

There were no variations from the approved Removal Action Work Plan for the month.

### **4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES**

Water monitoring samples were collected from the treatment plant during the month. The analysis does not show any detection above limits

### **5.0 PROJECT SCHEDULE**

The attached and updated Work Plan schedule identifies completion and target dates for project activities.

### **6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS**

- No significant difficulties were reported this month.

### **7.0 PERSONNEL CHANGES**

No personnel changes occurred this month.

### **8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS**

For the period from May 1 through May 31, 2001, the following material was removed:

- A total of 10,329 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 48,644 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 = 11,705,205 gallons).
- Approximately 5,438 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 775,763 gallons).
- Approximately 2,276 gallons of water was pumped from Pond 1 (total

for the pond = 832,178 gallons).

- Approximately 7.62 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

## **9.0 ANTICIPATED PROJECT ACTIVITIES FOR MAY 2001**

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Monthly Progress Report

Table 1  
Nease Site, Salem, Ohio  
Removal Action Schedule

| Date              | Task/Activity/Deliverable/Milestone   |
|-------------------|---|
| November 17, 1993 | Removal AOC Effective Date  |
| November 17, 1993 | Commence Preparation of Removal Action Work Plan  |
| November 23, 1993 | Submit Treatment Plant Performance Evaluation Work Plan (Rev. #1)   |
| November 28, 1993 | USEPA Conditional Approval of TPPEWP  |
| December 1, 1993  | Commence Treatment Plant Performance Evaluation   |
| December 9, 1993  | Complete Treatment Plant Performance Evaluation   |
| December 10, 1993 | Submit monthly progress report  |
| December 17, 1993 | Submit Removal Action Work Plan (Rev #0) to USEPA   |
| January 3, 1994   | USEPA Approval of TPPEWP (Rev #1)   |
| January 10, 1994  | Submit monthly progress report  |
| January 15, 1994  | Complete Treatment Plant Data Analysis and Evaluation   |
| January 17, 1994  | Notify EPA of inability of Treatment Plant to meet proposed discharge criteria. Commence preparation of Treatment Plant Modifications Work Plan (TPMWP) |
| January 24, 1994  | USEPA disapproval of Removal Action Work Plan (Rev. #0) and associated comments   |
| February 4, 1994  | Submit Revised Removal Action Work Plan (Rev #1) and Response to Agency comments  |
| February 10, 1994 | Submit monthly progress report  |
| February 11, 1994 | Submit Treatment Plant Performance Evaluation Report (TPPER)  |
| March 2, 1994     | Submit Treatment Plant Modifications Work Plan (TPMWP, Rev. #0)   |
| March 10, 1994    | Submit monthly progress report  |
| April 10, 1994    | Submit monthly progress report  |

| <b>Date</b>        | <b>Task/Activity/Deliverable/Milestone</b>   |
|--------------------|--|
| April 13, 1994     | Submit Revised Removal Action Work Plan (Rev #2) and Response to Agency comments             |
| April 20, 1994     | Submit Revised TPMWP (Rev #1) and Response to Agency comments                                |
| May 10, 1994       | Submit monthly progress report   |
| May 13, 1994       | Submit Updates (Rev #3) to Removal Action Work Plan (Rev #2) and Response to Agency comments |
| May 25, 1994       | USEPA approval of Revised RA Work Plan (Rev #2). Commence work on Work Plan implementation   |
| May 25, 1994       | Commence Preparation of Removal Action WP Addendum   |
| June 1, 1994       | Receipt of USEPA approval of Revised RA Work Plan (Rev #3)                                   |
| June 10, 1994      | Submit monthly progress report   |
| June 24, 1994      | Submit TPMWP (Rev #2)  |
| July 10, 1994      | Submit monthly progress report   |
| July 26, 1994      | Submit Treatment Plant Modifications Design Technical Memorandum (TPMDTM, Rev #0)            |
| July 28, 1994      | Receipt of USEPA approval of TPMWP (Rev #2 with revised Table 4)                             |
| August 10, 1994    | Submit monthly progress report   |
| August 30, 1994    | Submit Removal Action Work Plan Addendum (RAWPA)   |
| September 10, 1994 | Submit monthly progress report   |
| September 23, 1994 | Receipt of USEPA Comments or TPMDTM  |
| October 3, 1994    | Submit TPMDTM (Rev #1)   |
| October 4, 1994    | Submit TPMDTM (Rev #1)   |
| October 10, 1994   | Submit monthly progress report   |
| November 9, 1994   | Submit TPMDM (Rev #2)  |
| November 10, 1994  | Submit monthly progress report   |

| Date                             | Task/Activity/Deliverable/Milestone                                       |
|----------------------------------|---|
| December 1, 1994                 | Receipt of USEPA approval of TPMDTM (Rev #2)                              |
| December 10, 1994                | Submit monthly progress report  |
| December 12-19, 1994             | RAWPA Extraction Well and Piezometer Installation                         |
| January 10, 1995                 | Submit monthly progress report  |
| January/February/<br>March, 1995 | Construction of TPMWP/TPMDTM measures                                     |
| February 10, 1995                | Submit monthly progress report  |
| March 10, 1995                   | Submit monthly progress report  |
| March 13-16, 1995                | Performance of Field Pumping Tests (E4 and S7)                            |
| April 10, 1995                   | Submit monthly progress report  |
| April 24, 1995                   | Submit status report on RAWPA, Task 5                                     |
| May 4, 1995                      | Start on-site treatment plant   |
| May 10, 1995                     | Submit monthly progress report  |
| June 10, 1995                    | Submit monthly progress report  |
| July 10, 1995                    | Submit monthly progress report  |
| July 21, 1995                    | Submit treatment plant 1 <sup>st</sup> month operation summary report     |
| July 26, 1995                    | Submit Cone penetrometer testing report and additional investigation plan |
| August 10, 1995                  | Submit monthly progress report  |
| September 10, 1995               | Submit monthly progress report  |
| October 10, 1995                 | Submit monthly progress report  |
| November 10, 1995                | Submit monthly progress report  |
| December 10, 1995                | Submit monthly progress report  |

| <b>Date</b>        | <b>Task/Activity/Deliverable/Milestone</b>                         |
|--------------------|--|
| January 8-12, 1996 | Conduct 2 <sup>nd</sup> Round of cone penetrometer testing on site |
| January 10, 1996   | Submit monthly progress report                                     |
| February 10, 1996  | Submit monthly progress report                                     |
| March 10, 1996     | Submit monthly progress report                                     |
| April 10, 1996     | Submit monthly progress report                                     |
| April 18, 1996     | Discontinue Outfall Discharge                                      |
| April 24, 1996     | Agency Meeting – Discuss CPT results and future action plan        |
| May 10, 1996       | Submit monthly progress report                                     |
| May 23, 1996       | Submit 1996 IRM Seep Investigation and Fabric Barrier Work Plan    |
| June 10, 1996      | Submit monthly progress report                                     |
| July 8-12, 1996    | Install Piezometers and modify fabric barriers                     |
| July 10, 1996      | Submit monthly progress report                                     |
| August 6, 1996     | Submit monthly progress report                                     |
| September 10, 1996 | Submit monthly progress report                                     |
| October 10, 1996   | Submit monthly progress report                                     |
| November 10, 1996  | Submit monthly progress report                                     |
| December 10, 1996  | Submit monthly progress report                                     |
| January 10, 1997   | Submit monthly progress report                                     |
| February 10, 1997  | Submit monthly progress report                                     |
| March 10, 1997     | Submit monthly progress report                                     |
| April 10, 1997     | Submit monthly progress report                                     |

| Date               | Task/Activity/Deliverable/Milestone               |
|--------------------|---|
| May 9, 1997        | Submit monthly progress report                    |
| May 13, 1997       | Sample seep piezometers                           |
| June 9, 1997       | Submit monthly progress report                    |
| July 8, 1997       | Submit monthly progress report                    |
| August 8, 1997     | Submit monthly progress report                    |
| September 10, 1997 | Submit monthly progress report                    |
| October 10, 1997   | Submit monthly progress report                    |
| November 10, 1997  | Submit monthly progress report                    |
| December 10, 1997  | Submit monthly progress report                    |
| January 9, 1998    | Submit monthly progress report                    |
| February 10, 1998  | Submit monthly progress report                    |
| March 10, 1998     | Submit monthly progress report                    |
| April 8, 1998      | Submit monthly progress report                    |
| May 7, 1998        | Submit monthly progress report                    |
| June 9, 1998       | Submit monthly progress report                    |
| June 30, 1998      | Sample Seep Sheen                                 |
| July 10, 1998      | Submit monthly progress report                    |
| August 7, 1998     | Submit monthly progress report                    |
| August 19, 1998    | Install 1 new fabric barrier and remove 1 old one |
| September 10, 1998 | Submit monthly progress report                    |
| October 9, 1998    | Submit monthly progress report                    |

| <b>Date</b>        | <b>Task/Activity/Deliverable/Milestone</b> |
|--------------------|--|
| November 10, 1998  | Submit monthly progress report             |
| December 10, 1998  | Submit monthly progress report             |
| January 8, 1999    | Submit monthly progress report             |
| February 10, 1999  | Submit monthly progress report             |
| March 9, 1999      | Submit monthly progress report             |
| April 9, 1999      | Submit monthly progress report             |
| May 10, 1999       | Submit monthly progress report             |
| June 9, 1999       | Submit monthly progress report             |
| July 9, 1999       | Submit monthly progress report             |
| August 9, 1999     | Submit monthly progress report             |
| September 10, 1999 | Submit monthly progress report             |
| October 8, 1999    | Submit monthly progress report             |
| November 8, 1999   | Submit monthly progress report             |
| December 9, 1999   | Submit monthly progress report             |
| January 10, 2000   | Submit monthly progress report             |
| February 10, 2000  | Submit monthly progress report             |
| March 8, 2000      | Submit monthly progress report             |
| April 4, 2000      | Submit monthly progress report             |
| May 10, 2000       | Submit monthly progress report             |
| June 8, 2000       | Submit monthly progress report             |
| July 7, 2000       | Submit monthly progress report             |

| Date              | Task/Activity/Deliverable/Milestone |
|-------------------|-------------------------------------|
| August 8, 2000    | Submit monthly progress report      |
| September 8, 2000 | Submit monthly progress report      |
| October 4, 2000   | Submit monthly progress report      |
| November 3, 2000  | Submit monthly progress report      |
| December 8, 2000  | Submit monthly progress report      |
| January 4, 2001   | Submit monthly progress report      |
| February 6, 2001  | Submit monthly progress report      |
| March 8,2001      | Submit monthly progress report      |
| April 9, 2001     | Submit monthly progress report      |
| May 8, 2001       | Submit monthly progress report      |
| June 6, 2001      | Submit monthly progress report      |

**Attachment 1**  
**Results of Monthly Site Inspection**  
**May 2001**

**Site Inspection Form**  
**Ruetgers Organics Corporation**  
**Nease Site, Salem, Ohio**

**Date of inspection:** May 15, 2001

**Entry Time:** 10:00

**Exit Time:** 5:00

**Weather:** Cloudy, cool

**Inspector's Name:** Denny Lane

**Inspector's Company:** Howells & Baird, Inc.

**INSPECTION RESULTS**

**SPECIFIC OBSERVATIONS: STRUCTURES**

(Responses: S = Satisfactory, U = Unsatisfactory, Yes/No, Levels in Ft., NA = Not Applicable)

|                                      | Pump | Quick Connect | Water Level | Berm Erosion | Visible Leakage |
|--------------------------------------|------|---------------|-------------|--------------|-----------------|
| Leachate Collection System 1 (LCS 1) | S    | S             | 5.44        | NA           | NO              |
| Leachate Collection System 2 (LCS 2) | S    | S             | 8.00        | NA           | NO              |
| Pond 1 Pumphouse                     | S    | S             | 9.90        | NA           | NO              |
| Pond 1 Berm                          | NA   | NA            | NA          | NO           | NO              |
| Pond 2 Embankment                    | NA   | NA            | NA          | NO           | NO              |
| Exclusion Area A Embankment          | NA   | NA            | NA          | NO           | NO              |
| Storage Tank                         | NA   | S             | 5.51        | NA           | NO              |

**SPECIFIC OBSERVATION: SEDIMENT BARRIERS**

Condition of sediment barriers

| Barrier ID                   | Fabric Intact? | Bypass Evident | Needs Maint. |
|------------------------------|----------------|----------------|--------------|
| Sediment Control Structure 1 | YES            | NO             | NO           |
| Sediment Control Structure 2 | YES            | NO             | NO           |
| Fabric Barrier 2             | YES            | NO             | NO           |
| Fabric Barrier 3             | YES            | NO             | NO           |
| Fabric Barrier 4             | YES            | NO             | NO           |
| Fabric Barrier 4a            | YES            | NO             | NO           |
| Fabric Barrier 5             | YES            | NO             | NO           |
| Fabric Barrier 8             | YES            | NO             | NO           |
| Fabric Barrier 9             | YES            | NO             | NO           |
| Fabric Barrier 10            | YES            | NO             | NO           |
| Rock Barrier 1               | YES            | NO             | NO           |
| Rock Barrier 2               | YES            | NO             | NO           |
| Pond 7 - North               | YES            | NO             | NO           |
| Pond 7 - South               | YES            | NO             | NO           |

**Site Inspection Form**  
**Ruetgers-Nease Corporation**  
**Nease Site, Salem, Ohio**

**SPECIFIC OBSERVATIONS: SEEPS**

| Seep ID | Located on Map | Area (ft <sup>2</sup> ) | Magnitude Flow?, Ponding? |
|---------|----------------|-------------------------|---------------------------|
| 94-7-1  | YES            | 20                      | Non-flowing seep          |
| 96-8-2  | YES            | 20                      | Non-flowing seep          |

Inspector's Name

DENNIS L. LANE  
Inspector's Signature

Dennis L. Lane  
Date

5-30-01

CRANE-DEMING COMPANY

CRANE  
DEMING  
SWAMP

96-8-2

S13

94-7-1

S2

S1



**Attachment 2**  
**Results of Monthly Water Level Measurements**  
**May 2001**

**Monthly Monitoring Well Water Level Measurement Form**  
**Rutgers Organics Corporation**  
**Nease Site, Salem, Ohio**

**Date of Inspection:** May 15, 2001

**Entry Time:** 10.00

**Exit Time:** 5:00

**Inspector's Name:** Denny Lane

**Inspector's Company:** Howells & Baird

**Inspector's Signature**

*Dennis L. Lane*

| Well Number | Depth to Water (feet) | Casing & Lock Intact? | Date   | Comments            |
|-------------|-----------------------|-----------------------|--------|---------------------|
| AUBA        | 29.03                 | Yes                   | May 15 |                     |
| A-S         | 10.01                 | Yes                   | May 15 |                     |
| B-S         | 11.27                 | Yes                   | May 15 |                     |
| C-S         | 8.05                  | Yes                   | May 15 |                     |
| CLBA        | 13.04                 | Yes                   | May 15 |                     |
| CUBA        | 11.24                 | Yes                   | May 15 |                     |
| D-1         | 23.38                 | Yes                   | May 15 |                     |
| D-2         | 24.15                 | Yes                   | May 15 |                     |
| D-3         | 9.96                  | Yes                   | May 15 |                     |
| D-4         | 21.09                 | Yes                   | May 15 |                     |
| D-5         | 31.94                 | Yes                   | May 15 |                     |
| D-6         | 21.46                 | Yes                   | May 15 |                     |
| D-7         | 2.69                  | Yes                   | May 15 |                     |
| D-8         | 1.34                  | Yes                   | May 15 |                     |
| D-9         | 14.61                 | Yes                   | May 15 |                     |
| D-10        | 10.10                 | Yes                   | May 15 |                     |
| D-11        | 23.22                 | Yes                   | May 15 |                     |
| D-12        | 21.88                 | Yes                   | May 15 |                     |
| D-13        | 30.10                 | Yes                   | May 15 |                     |
| D-14        | 6.15                  | Yes                   | May 15 |                     |
| D-15        | 6.36                  | Yes                   | May 15 |                     |
| D-16        | 0.00                  | Yes                   | May 15 |                     |
| D-17        | 3.98                  | Yes                   | May 15 |                     |
| DLBA        | 0.00                  | Yes                   | May 15 | 1.70 PSI            |
| DVF2        | 0.00                  | Yes                   | May 15 | Bolted Shut         |
| DVF3        | 3.72                  | Yes                   | May 15 |                     |
| ELBA        | 2.04                  | Yes                   | May 15 |                     |
| EVF1        | 7.87                  | Yes                   | May 15 |                     |
| EVF2        | 10.12                 | Yes                   | May 15 |                     |
| EVF3        | 5.63                  | Yes                   | May 15 |                     |
| EVF4        | 4.55                  | Yes                   | May 15 |                     |
| EW-4        | 10.30                 | Yes                   | May 15 |                     |
| EW-5        | 11.03                 | Yes                   | May 15 |                     |
| FLBA        | 10.45                 | Yes                   | May 15 |                     |
| FVF3        | 12.23                 | Yes                   | May 15 | Stream level = 0.0' |
| FVF4        | 13.17                 | Yes                   | May 15 |                     |

**Monthly Monitoring Well Water Level Measurement Form**  
**Ruetgers Organics Corporation**  
**Nease Site, Salem, Ohio**

**Date of Inspection:** May 15, 2001

**Entry Time:** 10:00

**Exit Time:** 5:00

**Inspector's Name:** Denny Lane

**Inspector's Company:** Howells & Baird

**Inspector's Signature**

*Dennis L. Lane*

| Well Number | Depth to Water (feet) | Casing & Lock Intact? | Date   | Comments           |
|-------------|-----------------------|-----------------------|--------|--------------------|
| FVF6        | 10.53                 | Yes                   | May 15 |                    |
| GUBA        | 3.00                  | Yes                   | May 15 |                    |
| H-S         | 6.59                  | Yes                   | May 15 |                    |
| HUBA        | 16.05                 | Yes                   | May 15 |                    |
| HVF1        | 15.50                 | Yes                   | May 15 |                    |
| I-SHALE     | 17.09                 | Yes                   | May 15 |                    |
| ILBA        | 49.31                 | Yes                   | May 15 |                    |
| I-S         | 17.12                 | Yes                   | May 15 |                    |
| IUBA        | 29.05                 | Yes                   | May 15 |                    |
| JLBA        | 4.91                  | Yes                   | May 15 |                    |
| JVF2        | 12.12                 | Yes                   | May 15 | Stream Marker Gone |
| JVF3        | 9.85                  | Yes                   | May 15 |                    |
| JVF4        | 7.49                  | Yes                   | May 15 |                    |
| KLBA        | 0.00                  | Yes                   | May 15 |                    |
| KVF2        | 0.00                  | Yes                   | May 15 |                    |
| KVF4        | 3.07                  | Yes                   | May 15 |                    |
| LBA         | 22.53                 | Yes                   | May 15 |                    |
| LVF1        | 10.72                 | Yes                   | May 15 |                    |
| LVF2        | 17.12                 | Yes                   | May 15 |                    |
| P-1A        | 5.98                  | Yes                   | May 15 |                    |
| P-2A        | 7.06                  | Yes                   | May 15 |                    |
| P-3A        | 7.23                  | Yes                   | May 15 |                    |
| P-1U        | 37.91                 | Yes                   | May 15 |                    |
| P-1L        | 34.23                 | Yes                   | May 15 |                    |
| P-2U        | 29.62                 | Yes                   | May 15 |                    |
| P-2L        | 42.63                 | Yes                   | May 15 |                    |
| PZ-1        | 11.86                 | Yes                   | May 15 |                    |
| PZ-2        | 14.40                 | Yes                   | May 15 |                    |
| PZ-3S       | 12.20                 | Yes                   | May 15 |                    |
| PZ-3M       | 23.06                 | Yes                   | May 15 |                    |
| PZ-3B       | 31.55                 | Yes                   | May 15 |                    |
| PZ-4S       | 11.65                 | Yes                   | May 15 | Dry                |
| PZ-4M       | 18.99                 | Yes                   | May 15 |                    |
| PZ-4B       | 27.21                 | Yes                   | May 15 |                    |
| PZ-5S       | 3.68                  | Yes                   | May 15 |                    |
| PZ-5M       | 15.94                 | Yes                   | May 15 |                    |

**Monthly Monitoring Well Water Level Measurement Form**  
**Rutgers Organics Corporation**  
**Nease Site, Salem, Ohio**

**Date of Inspection:** May 15, 2001

**Entry Time:** 10:00

**Exit Time:** 5:00

**Inspector's Name:** Denny Lane

**Inspector's Company:** Howells & Baird

**Inspector's Signature** 

| Number  | Water<br>(feet) | Lock<br>Intact? | Date   | Comments |
|---------|-----------------|-----------------|--------|----------|
| PZ-5T   | 16.08           | Yes             | May 15 |          |
| PZ-5B   | 17.97           | Yes             | May 15 |          |
| PZ-6B-U | 15.41           | Yes             | May 15 |          |
| PZ-6B-M | 14.59           | Yes             | May 15 |          |
| PZ-6B-L | 13.70           | Yes             | May 15 |          |
| PZ-7    | 7.32            | Yes             | May 15 |          |
| RW-1    | 24.30           | Yes             | May 15 |          |
| S-1     | 15.51           | Yes             | May 15 |          |
| S-2     | 7.61            | Yes             | May 15 |          |
| S-3     | 5.07            | Yes             | May 15 |          |
| S-4     | 4.21            | Yes             | May 15 |          |
| S-5     | 13.13           | Yes             | May 15 |          |
| S-6     | 5.57            | Yes             | May 15 |          |
| S-7     | 4.90            | Yes             | May 15 |          |
| S-8     | 2.59            | Yes             | May 15 |          |
| S-9     | 15.89           | Yes             | May 15 |          |
| S-10    | 9.50            | Yes             | May 15 |          |
| S-11    | 5.35            | Yes             | May 15 |          |
| S-12    | 3.38            | Yes             | May 15 |          |
| S-13    | 5.11            | Yes             | May 15 |          |
| S-14    | 3.13            | Yes             | May 15 |          |
| S-15    | 1.67            | Yes             | May 15 |          |
| S-16    | 11.87           | Yes             | May 15 |          |
| S-17    | 1.18            | Yes             | May 15 |          |
| S-18    | 8.20            | Yes             | May 15 |          |
| S-19    | 0.00            | Yes             | May 15 |          |
| SP-1    | 4.69            | Yes             | May 15 |          |
| SP-2    | 4.48            | Yes             | May 15 |          |
| SP-3    | 4.45            | Yes             | May 15 |          |
| SP-4    | 4.81            | Yes             | May 15 |          |
| SP-5    | 4.31            | Yes             | May 15 |          |
| SP-6    | 4.89            | Yes             | May 15 |          |
|         |                 |                 |        |          |
|         |                 |                 |        |          |
|         |                 |                 |        |          |
|         |                 |                 |        |          |
|         |                 |                 |        |          |

**Attachment 3**  
**Water Sampling Results – April 16, 2001**



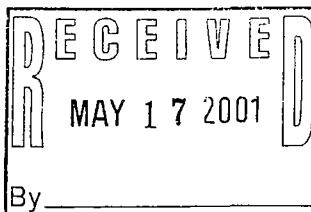
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RUTGERS ORGANICS CORPORATION/EHS DEPT.  
201 STRUBLE ROAD  
STATE COLLEGE, PA 16801  
Account Number: 155

Contact: R. DOMALSKI



Date Received: 17-APR-01  
Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: T1-L-4-16-01

Lab ID: L30942-1

| PARAMETER              | UNITS    | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD   | TEST DATE | ANALYST |
|------------------------|----------|--------|-----------------------------|---------------|-----------|---------|
| BOD-5 DAY              | mg/L     | 62.1   | 1                           | EPA 405.1     | 18-APR-01 | AMB     |
| IRON-TOTAL             | mg/L     | 10     | .03                         | EPA 200.7     | 27-APR-01 | DEH-JWH |
| PESTICIDE ANALYSIS     |          |        |                             |               |           |         |
| KEPONE                 | ug/L     | U .042 | .042                        | SOP 6.2       | 01-MAY-01 | AS      |
| PHOTOMIREX             | ug/L     | U .006 | .006                        | SOP 6.2       | 01-MAY-01 | AS      |
| MIREX                  | ug/L     | U .002 | .002                        | SOP 6.2       | 01-MAY-01 | AS      |
| AMMONIA                | mg/L     | .234   | .2                          | EPA 350.3 MOD | 30-APR-01 | AMB     |
| PH                     | PH UNITS | 7.25   | 0                           | EPA 150.1     | 23-APR-01 | AMB     |
| TOTAL DISSOLVED SOLIDS | mg/L     | 533    | 1                           | EPA 160.1     | 23-APR-01 | SHZ     |
| TOTAL SUSPENDED SOLIDS | mg/L     | 16.4   | 1                           | EPA 160.2     | 23-APR-01 | SHZ     |

Comments EPA 150.1 analyzed 23Apr01 1307

Submitted by  
Centre Analytical Labs, Inc.  
Reviewed and Approved by:

Charles Simons  
Laboratory Manager

Please refer to the reverse side for our standard terms and conditions.





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 201 STRUBLE ROAD  
 STATE COLLEGE, PA 16801  
 Account Number: 155

Contact: R. DOMALSKI

 Date Received: 17-APR-01  
 Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP4A-L-4-16-01

Lab ID: L30942-2

| PARAMETER                 | UNITS    | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|----------|--------|-----------------------------|-------------|-----------|---------|
| BOD-5 DAY                 | mg/L     | 62.3   | 1                           | EPA 405.1   | 18-APR-01 | AMB     |
| IRON-TOTAL                | mg/L     | .184   | .03                         | EPA 200.7   | 27-APR-01 | DEH-JWH |
| PESTICIDE ANALYSIS        |          |        |                             |             |           |         |
| KEPONE                    | ug/L     | U .042 | .042                        | SOP 6.2     | 01-MAY-01 | AS      |
| PHOTOMIREX                | ug/L     | U .006 | .006                        | SOP 6.2     | 01-MAY-01 | AS      |
| MIREX                     | ug/L     | U .002 | .002                        | SOP 6.2     | 01-MAY-01 | AS      |
| PH                        | PH UNITS | 8.33   | 0                           | EPA 150.1   | 23-APR-01 | AMB     |
| TOTAL DISSOLVED SOLIDS    | mg/L     | 512    | 1                           | EPA 160.1   | 23-APR-01 | SHZ     |
| TOTAL SUSPENDED SOLIDS    | mg/L     | < 1    | 1                           | EPA 160.2   | 23-APR-01 | SHZ     |
| VOLATILE ANALYSIS         |          |        |                             |             |           |         |
| VINYL CHLORIDE            | ug/L     | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| DICHLOROMETHANE           | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CIS-1,2-DICHLOROETHENE    | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRANS-1,2-DICHLOROETHENE  | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CHLOROFORM                | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,2-DICHLOROETHANE        | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1,1-TRICHLOROETHANE     | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1,2,2-TETRACHLOROETHANE | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,2-DICHLOROPROPANE       | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRICHLOROETHENE           | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BENZENE                   | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TETRACHLOROETHENE         | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TOLUENE                   | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CHLOROBENZENE             | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| ETHYLBENZENE              | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| M, P-XYLENE               | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| O-XYLENE                  | ug/L     | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| ACETONE                   | ug/L     | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |



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 Account Number: 155

Contact: R. DOMALSKI

Date Received: 17-APR-01

Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP4A-L-4-16-01

Lab ID: L30942-2

| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|-----------------------------|-------------|-----------|---------|
| 2-BUTANONE                | ug/L  | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| CHLOROMETHANE             | ug/L  | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| CIS-1,3-DICHLOROPROPENE   | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRANS-1,3-DICHLOROPROPENE | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMOFORM                 | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| DIBROMOCHLOROMETHANE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMODICHLOROMETHANE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CARBON TETRACHLORIDE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMOMETHANE              | ug/L  | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |

Comments: EPA 150.1 analyzed 23Apr01 1307

 Submitted by  
 Centre Analytical Labs, Inc.  
 Reviewed and Approved by:



 Charles Simons  
 Laboratory Manager

Please refer to the reverse side for our standard terms and conditions.





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 STATE COLLEGE , PA 16801  
 Account Number: 155

Contact: R. DOMALSKI

 Date Received: 17-APR-01  
 Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected 16-APR-01

Client ID: SP6-L-4-16-01

Lab ID: L30942-3

| PARAMETER              | UNITS | RESULT  | LIMIT<br>OF<br>QUANTITATION | TEST METHOD   | TEST DATE | ANALYST |
|------------------------|-------|---------|-----------------------------|---------------|-----------|---------|
| SILVER-LOW LEVEL       | mg/L  | < .0003 | .0003                       | EPA 200.8     | 11-MAY-01 | MBW     |
| ALUMINUM-TOTAL         | mg/L  | < .2    | .2                          | EPA 200.7     | 27-APR-01 | DEH-JWH |
| ARSENIC-LOW LEVEL      | mg/L  | .0161   | .0003                       | EPA 200.8     | 11-MAY-01 | MBW     |
| BERYLLIUM-TOTAL        | mg/L  | < .002  | .002                        | EPA 200.7     | 27-APR-01 | DEH-JWH |
| BOD-5 DAY              | mg/L  | 27.4    | 1                           | EPA 405.1     | 18-APR-01 | AMB     |
| CADMIUM-LOW LEVEL      | mg/L  | < .0003 | .0003                       | EPA 200.8     | 11-MAY-01 | MBW     |
| CYANIDE-FREE           | mg/L  | < .005  | .005                        | EPA 335.2     | 30-APR-01 | JPB     |
| COD                    | mg/L  | 34.9    | 5                           | SM 5220D      | 18-APR-01 | DEH     |
| CHROMIUM-TOTAL         | mg/L  | < .01   | .01                         | EPA 200.7     | 27-APR-01 | DEH-JWH |
| IRON-TOTAL             | mg/L  | .0677   | .03                         | EPA 200.7     | 27-APR-01 | DEH-JWH |
| MERCURY                | mg/L  | < .0002 | .0002                       | EPA 7470      | 25-APR-01 | MBW     |
| PESTICIDE ANALYSIS     |       |         |                             |               |           |         |
| KEPONE                 | ug/L  | U .042  | .042                        | SOP 6.2       | 01-MAY-01 | AS      |
| PHOTOMIREX             | ug/L  | U .006  | .006                        | SOP 6.2       | 01-MAY-01 | AS      |
| MIREX                  | ug/L  | U .002  | .002                        | SOP 6.2       | 01-MAY-01 | AS      |
| AMMONIA                | mg/L  | < .2    | .2                          | EPA 350.3 MOD | 30-APR-01 | AMB     |
| OIL & GREASE           | mg/L  | < 2.5   | 2.5                         | EPA 413.1     | 04-MAY-01 | JPR     |
| LEAD-LOW LEVEL         | mg/L  | < .0003 | .0003                       | EPA 200.8     | 11-MAY-01 | MBW     |
| PESTICIDE/PCB ANALYSIS |       |         |                             |               |           |         |
| METHOXYCHLOR           | ug/L  | < .004  | .004                        | EPA 8081a     | 24-APR-01 | RJL     |





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 RUTGERS ORGANICS CORPORATION/EHS DEPT.  
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 Account Number: 155

Contact: R. DOMALSKI

 Date Received: 17-APR-01  
 Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP6-L-4-16-01

Lab ID: L30942-3

| PARAMETER                     | UNITS    | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|-------------------------------|----------|--------|-----------------------------|-------------|-----------|---------|
| PH                            | PH UNITS | 8.46   | 0                           | EPA 150.1   | 23-APR-01 | AMB     |
| ANTIMONY-TOTAL                | mg/L     | < .02  | .02                         | EPA 200.7   | 27-APR-01 | DEH-JWH |
| SEMI-VOLATILE ANALYSIS        |          |        |                             |             |           |         |
| N-NITROSODIMETHYLAMINE        | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| PHENOL                        | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| ANILINE                       | ug/L     | < 20   | 20                          | EPA 8270    | 30-APR-01 | CS      |
| BIS (2-CHLOROETHYL) ETHER     | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2-CHLOROPHENOL                | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 1,3-DICHLOROBENZENE           | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 1,4-DICHLOROBENZENE           | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZYL ALCOHOL                | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 1,2-DICHLOROBENZENE           | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2-METHYLPHENOL                | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BIS (2-CHLOROISOPROPYL) ETHER | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 3&4-METHYLPHENOL              | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| N-NITROSO-DI-N-PROPYLAMINE    | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| HEXACHLOROETHANE              | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| NITROBENZENE                  | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| ISOPHORONE                    | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2-NITROPHENOL                 | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4-DIMETHYLPHENOL            | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BIS (2-CHLOROETHOXY) METHANE  | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4-DICHLOROPHENOL            | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 1,2,4-TRICHLOROBENZENE        | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| NAPHTHALENE                   | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 4-CHLOROANILINE               | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| HEXACHLOROBUTADIENE           | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZOIC ACID                  | ug/L     | < 20   | 20                          | EPA 8270    | 30-APR-01 | CS      |
| 4-CHLORO-3-METHYLPHENOL       | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2-METHYLNAPHTHALENE           | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| HEXACHLOROCYCLOPENTADIENE     | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4,6-TRICHLOROPHENOL         | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4,5-TRICHLOROPHENOL         | ug/L     | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |



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RUTGERS ORGANICS CORPORATION/EHS DEPT.  
201 STRUBLE ROAD  
STATE COLLEGE , PA 16801  
Account Number: 155

Contact: R. DOMALSKI

Date Received: 17-APR-01  
Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP6-L-4-16-01

Lab ID: L30942-3

| PARAMETER                   | UNITS | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|-----------------------------|-------|--------|-----------------------------|-------------|-----------|---------|
| 2-CHLORONAPHTHALENE         | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2-NITROANILINE              | ug/L  | < 20   | 20                          | EPA 8270    | 30-APR-01 | CS      |
| DIMETHYL PHTHALATE          | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,6-DINITROTOLUENE          | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| ACENAPHTHYLENE              | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 3-NITROANILINE              | ug/L  | < 20   | 20                          | EPA 8270    | 30-APR-01 | CS      |
| ACENAPHTHENE                | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 4-NITROPHENOL               | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| DIBENZOFURAN                | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4-DINITROTOLUENE          | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| DIETHYL PHTHALATE           | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 4-CHLOROPHENYL PHENYL ETHER | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| FLUORENE                    | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 4-NITROANILINE              | ug/L  | < 20   | 20                          | EPA 8270    | 30-APR-01 | CS      |
| 2-METHYL-4,6-DINITROPHENOL  | ug/L  | < 25   | 25                          | EPA 8270    | 30-APR-01 | CS      |
| N-NITROSODIPHENYLAMINE      | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 1,2-DIPHENYLHYDRAZINE       | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 4-BROMOPHENYL PHENYL ETHER  | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| HEXACHLOROBENZENE           | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| PENTACHLOROPHENOL           | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,4-DINITROPHENOL           | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| PHENANTHRENE                | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| ANTHRACENE                  | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| CARBAZOLE                   | ug/L  | < 25   | 25                          | EPA 8270    | 30-APR-01 | CS      |
| DI-N-BUTYL PHTHALATE        | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| FLUORANTHENE                | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| PYRENE                      | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZIDINE                   | ug/L  | < 25   | 25                          | EPA 8270    | 30-APR-01 | CS      |
| BUTYLBENZYL PHTHALATE       | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 3,3'-DICHLOROBENZIDINE      | ug/L  | < 25   | 25                          | EPA 8270    | 30-APR-01 | CS      |
| BENZO(A)ANTHRACENE          | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BIS(2-ETHYLHEXYL) PHTHALATE | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| CHRYSENE                    | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| DI-N-OCTYL PHTHALATE        | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZO(B)FLUORANTHENE        | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZO(K)FLUORANTHENE        | ug/L  | < 10   | 10                          | EPA 8270    | 30-APR-01 | CS      |



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RUTGERS ORGANICS CORPORATION/EHS DEPT.  
201 STRUBLE ROAD  
STATE COLLEGE, PA 16801  
Account Number: 155

Contact: R. DOMALSKI

Date Received: 17-APR-01  
Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP6-L-4-16-01

Lab ID: L30942-3

| PARAMETER                 | UNITS | RESULT  | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|---------|-----------------------------|-------------|-----------|---------|
| BENZO (A) PYRENE          | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| INDENO (1,2,3-CD) PYRENE  | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| DIBENZ (A,H) ANTHRACENE   | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| BENZO (G,H,I) PERYLENE    | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| PYRIDINE                  | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| 2,3,5,6-TETRACHLOROPHENOL | ug/L  | < 10    | 10                          | EPA 8270    | 30-APR-01 | CS      |
| TOTAL DISSOLVED SOLIDS    | mg/L  | 524     | 1                           | EPA 160.1   | 23-APR-01 | SHZ     |
| THALLIUM-LOW LEVEL        | mg/L  | .000476 | .0002                       | EPA 200.8   | 11-MAY-01 | MBW     |
| TOTAL ORGANIC CARBON      | mg/L  | < .5    | .5                          | EPA 415.1   | 03-MAY-01 | JPB     |
| TOTAL SUSPENDED SOLIDS    | mg/L  | < 1     | 1                           | EPA 160.2   | 23-APR-01 | SHZ     |
| VOLATILE ANALYSIS         |       |         |                             |             |           |         |
| VINYL CHLORIDE            | ug/L  | < 10    | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| DICHLOROMETHANE           | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CIS-1,2-DICHLOROETHENE    | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRANS-1,2-DICHLOROETHENE  | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CHLOROFORM                | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,2-DICHLOROETHANE        | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1,1-TRICHLOROETHANE     | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,1,2,2-TETRACHLOROETHANE | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| 1,2-DICHLOROPROPANE       | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRICHLOROETHENE           | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BENZENE                   | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TETRACHLOROETHENE         | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TOLUENE                   | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CHLOROBENZENE             | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| ETHYLBENZENE              | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| M, P-XYLENE               | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| O-XYLENE                  | ug/L  | < 5     | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| ACETONE                   | ug/L  | < 10    | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| 2-BUTANONE                | ug/L  | < 10    | 10                          | EPA 8260B   | 27-APR-01 | CP      |

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# Centre Analytical Laboratories, Inc.

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 RUTGERS ORGANICS CORPORATION/EHS DEPT  
 201 STRUBLE ROAD  
 STATE COLLEGE, PA 16801  
 Account Number: 155

Contact: R. DOMALSKI

Date Received: 17-APR-01

Date Reported: 15-MAY-01

Invoice Number: 28182

Date Collected: 16-APR-01

Client ID: SP6-L-4-16-01

Lab ID: L30942-3

| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUANTITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|-----------------------------|-------------|-----------|---------|
| CHLOROMETHANE             | ug/L  | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| CIS-1,3-DICHLOROPROPENE   | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| TRANS-1,3-DICHLOROPROPENE | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMOFORM                 | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| DIBROMOCHLOROMETHANE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMODICHLOROMETHANE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| CARBON TETRACHLORIDE      | ug/L  | < 5    | 5                           | EPA 8260B   | 27-APR-01 | CP      |
| BROMOMETHANE              | ug/L  | < 10   | 10                          | EPA 8260B   | 27-APR-01 | CP      |
| ZINC-TOTAL                | mg/L  | .0089  | .005                        | EPA 200.7   | 27-APR-01 | DEH-JWH |

Comments: EPA 150.1 analyzed 23Apr01 1307

 Submitted by  
 Centre Analytical Labs, Inc.  
 Reviewed and Approved by.



 Charles Simons  
 Laboratory Manager

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# Centre Analytical Laboratories, Inc.

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Page 1

RUETGERS-NEASE CORPORATION/EHS DEPT.  
201 STRUBLE ROAD  
STATE COLLEGE, PA 16801  
Account Number: 155

Date Received: 17-APR-01  
Date Reported: 16-MAY-01

Invoice Number: 28182

Contact: R. DOMALSKI

Date Collected: 16-APR-01

Client ID: A2-A-4-16-01

Lab ID: L30942-4

| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|----------------------------|-------------|-----------|---------|
| VAPOR PHASE VOC           |       |        |                            |             |           |         |
| DICHLORODIFLUOROMETHANE   | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| CHLOROETHANE              | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| TRICHLOROFLUOROMETHANE    | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DICHLOROMETHANE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRANS-1,2-DICHLOROETHENE  | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 2,2-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CIS-1,2-DICHLOROETHENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CHLOROFORM                | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOCHLOROMETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,1-TRICHLOROETHANE     | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROPROPENE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CARBON TETRACHLORIDE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BENZENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRICHLOROETHENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMODICHLOROMETHANE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DIBROMOMETHANE            | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CIS-1,3-DICHLOROPROPENE   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TOLUENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRANS-1,3-DICHLOROPROPENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |

Submitted by  
Centre Analytical Labs, Inc.  
Reviewed and Approved by:

Charles Simons  
Laboratory Manager





# Centre Analytical Laboratories, Inc.

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RUETGERS-NEASE CORPORATION/EHS DEPT.  
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| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|----------------------------|-------------|-----------|---------|
| 1,1,2-TRICHLOROETHANE     | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TETRACHLOROETHENE         | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DIBROMOCHLOROMETHANE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DIBROMOMETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CHLOROBENZENE             | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,1,2-TETRACHLOROETHANE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ETHYL BENZENE             | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| M, P-XYLENE               | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| O-XYLENE                  | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| STYRENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOFORM                 | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ISOPROPYLBENZENE          | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,2,2-TETRACHLOROETHANE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOBENZENE              | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2,3-TRICHLOROPROPANE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| N-PROPYLBENZENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 2-CHLOROTOLUENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3,5-TRIMETHYLBENZENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 4-CHLOROTOLUENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TERT-BUTYLBENZENE         | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3,4-TRIMETHYLBENZENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| SEC-BUTYLBENZENE          | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ISOPROPYLTOLUENE          | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3-DICHLOROBENZENE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |

Submitted by  
Centre Analytical Labs, Inc.  
Reviewed and Approved by:

Charles Simons  
Laboratory Manager



**Centre Analytical  
Laboratories, Inc.**

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Page 3

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| PARAMETER           | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------|-------|--------|----------------------------|-------------|-----------|---------|
| 1,4-DICHLOROBENZENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| N-BUTYLBENZENE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROBENZENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| VINYL CHLORIDE      | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |

Submitted By:  
Centre Analytical Labs, Inc.  
Reviewed and Approved by:

Charles Simons  
Laboratory Manager





# Centre Analytical Laboratories, Inc.

3048 Research Drive, State College PA 16801 814-231-8032 FAX 814-231-1253

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RUETGERS-NEASE CORPORATION/EHS DEPT.  
201 STRUBLE ROAD  
STATE COLLEGE, PA 16801  
Account Number: 155

Date Received: 17-APR-01  
Date Reported: 16-MAY-01

Invoice Number: 28182

Contact: R. DOMALSKI

Date Collected: 16-APR-01

Client ID: A3-A-4-16-01

Lab ID: L30942-5

| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|----------------------------|-------------|-----------|---------|
| VAPOR PHASE VOC           |       |        |                            |             |           |         |
| DICHLORODIFLUOROMETHANE   | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| CHLOROETHANE              | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| TRICHLOROFLUOROMETHANE    | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DICHLOROMETHANE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRANS-1,2-DICHLOROETHENE  | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROETHENE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 2,2-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CIS-1,2-DICHLOROETHENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CHLOROFORM                | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOCHLOROMETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,1-TRICHLOROETHANE     | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1-DICHLOROPROPENE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CARBON TETRACHLORIDE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BENZENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRICHLOROETHENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMODICHLOROMETHANE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DIBROMOMETHANE            | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CIS-1,3-DICHLOROPROPENE   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TOLUENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TRANS-1,3-DICHLOROPROPENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |

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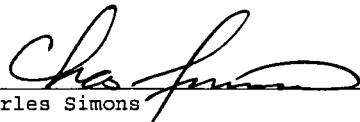
Date Collected: 16-APR-01

Client ID: A3-A-4-16-01

Lab ID: L30942-5

| PARAMETER                 | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------------|-------|--------|----------------------------|-------------|-----------|---------|
| 1,1,2-TRICHLOROETHANE     | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TETRACHLOROETHENE         | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3-DICHLOROPROPANE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| DIBROMOCHLOROMETHANE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DIBROMOMETHANE        | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| CHLOROBENZENE             | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,1,2-TETRACHLOROETHANE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ETHYL BENZENE             | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| M,P-XYLENE                | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| O-XYLENE                  | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| STYRENE                   | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOFORM                 | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ISOPROYLBENZENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,1,2,2-TETRACHLOROETHANE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| BROMOBENZENE              | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2,3-TRICHLOROPROPANE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| N-PROPYLBENZENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 2-CHLOROTOLUENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3,5-TRIMETHYLBENZENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 4-CHLOROTOLUENE           | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| TERT-BUTYLBENZENE         | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3,4-TRIMETHYLBENZENE    | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| SEC-BUTYLBENZENE          | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| ISOPROPYLTOLUENE          | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,3-DICHLOROBENZENE       | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |

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| PARAMETER           | UNITS | RESULT | LIMIT<br>OF<br>QUATITATION | TEST METHOD | TEST DATE | ANALYST |
|---------------------|-------|--------|----------------------------|-------------|-----------|---------|
| 1,4-DICHLOROBENZENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| N-BUTYLBENZENE      | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| 1,2-DICHLOROBENZENE | ppbv  | < 1    | 1                          | TO14        | 30-APR-01 | CP      |
| VINYL CHLORIDE      | ppbv  | < 2    | 2                          | TO14        | 30-APR-01 | CP      |

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